International application No. PCT/KR2004/002651

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 F41H 11/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F41H11/16, 11/08, 11/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KR, JP: IPC as above

Electronic data base consulted during the intermational search (name of data base and, where practicable, search terms used) mine, clean, vehicle, car, cut, explod, sensor, saw, link, hydranlic

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. 1. 4. 5. 6		
Y	JP 3016018 B (Amamiya kiyoshi) 24. December 1999			
. y	IP 2002-51649 A (Hurukawa Kikaikinzoku Kabusikikaisya) 19. February 2002	1° 73. 75. 75.		
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Y	US 5,988,037 A (Kjell Jann Haughom) 23. November 1999	6		
: •				

H	Further	documents	are	listed in	n the	continu	ation	of:	Box	C.

X See patent family annex.

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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "&" document member of the same patent family

Date of the actual completion of the international search

31 JANUARY 2005 (31.01.2005)

Date of mailing of the international search report

31 JANUARY 2005 (31.01.2005)

Name and mailing address of the ISA/KR



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Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2004/002651

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